NOVA ASCOMYCETUM GENERA.

By P. A. Saccardo.

I. **Fracchiæa.** Sacc. Myc. Ven. 115, tab. xii. f. 3—7.

Perithecia carbonacea, aggregata, raro subsparsa, erumpentia, v., cortice delapso, superficialia, macula stromatica nigricante insidentia, orstolo brevissimo denique umbilicato. Asci polyspori, paraphysibus nullis. Sporidia valsea, *i.e.*, cylindracea utrinque rotundata, curvula, hyalina. Spermatia, in peritheciis ascophoris juvenilibus, minima, cylindracea, curvula, hyalina.

Species: *Fracchiæa heterogenea*, Sacc., l. c. et Mycoth. Ven. I., No. 88.

Obs. Genus peraffine *Coelosphæriæ*, Sacc. (= Nitschkiæ Otth.), a quo inprimis ascis polysporis recedit.

II. **Thyridaria.** Sacc. Mycoth. Ven. II., No. 170.

Perithecia carbonacea, aggregata, raro subsparsa, crusta stromatica nigricante subcorticali insidentia et cum ea in acervulos subvalseos connexa, tecta, dein saepe erumpenti-liberata. Asci octospori paraphysibus copiosis obvallati. Sporidia oblongata, plurilocularia (non muriformia) fuliginea. Status pycnidicus et micropycnidicus cogniti.

Species: *Thyridaria incrustans*, Sacc. l. c. *Cucurbitaria Broussonetiæ*, Sacc. Myc. Ven. 118, t. xii., f. 12-17.

Obs. Genus stromate manifestissimo instructum, *Thyridio* affine, a quo præcipue sporidiis non muriformibus dignoscitur.

III. **Thyronectria.** Sacc.

Perithecia ceraceo-membranacea, contextu rubescente, subdiaphano nectriacea, in cortice nidulantia ibique in acervulos valseos aggregata, tecta v. tandem erumpentia, ostiolis papillatis, brevibus. Acci octospori, paraphysati. Sporidia oblonga, v. ovoidea, initio transverse et longitudinaliter pluriguttulata dein tenuiter muriformia, hyalina.

Species: *Thyronectria Patavina*, Sacc. (edenda).

Obs. Genus ob contextum perithecis et sporidia diaphana ad *Nectriam* v. *Calonectriam* vergens, ob stromata immersa, valsea et ob sporidia muriformia ad *Thyridium* accedens, inter utrumque medium.

IV. **Passerinula.** Sacc.

Perithecia membranaceo-mollia, pallida, in stromate v. in peritheciis pyrenomycetum majorum (ex. gr. *Thyridii et Valsariæ*) omnino immersa, nunc inordinate aggregata, nunc discreta, globosa, minuta; nucleo farcto candido; ostiolis cylindraceis, plus minus alte exertis, incurvis, albidis. Asci octospori, paraphysati. Sporidia oblonga v. ovoidea, 1-septata et ob guttas duas septo utrinque appositas simulate 3-septata, dilute fuliginea.

Species: *Passerinula candida*, Sacc (edenda).

Obs. Genus, Nectriaceis subaffine, egregio mycologo T. Passerini in Parmensi Universitate Botanices Professori dicatum; quod

Passerinia vocare non oportet ex eo quod jam extat nimium affine nomen Passerina.

V. **Phomatospora.** Sacc.

Perithecia membranacea, discreta, minuta, tecta, v. erumpentia, ostiolo papillato, brevi. Asci cylindraceo-filiformes, aparaphysati, octospori. Sporidia phomatoidea, p. e. oblonga, continua, 2-gattulata, hyalina. Status spermogonicus *Phomam* referens.

Species: 1. *Phomatospora Berkeleyi*, Sacc., Sphæria phomatospora *B. et Br.*, "Cooke Brit. Fung.," 884.

2. *Phomatospora ovalis* (Pass.) Sacc. Sphæria ovalis, Pass., in "Erb. Critt. Ital.," ser. ii., No. 642.

VI. **Patinella.** Sacc.

Cupulæ sessiles, patellatæ, marginatæ, totæ atræ, ceraceo-lentæ, duriusculæ; excipulo minute prosenchymatico, fuligineo; disco concaviusculo, v. subplano. Asci octospori, paraphysati. Sporidia ovoidea, continua, minuta, hyalina. Paraphyses filiformes apice conidia sphæroidea, fusca, mox secedentia gerentes.

Species: *Patinella hyalophæa*, Sacc. (edenda).

Obs. Genus inter Discomycetes paraphysibus conidia fusca gerentibus sporidisque minutis hyalinis insigue, nec ulli mihi noto affine.

SPHAGNUM LARICINUM, &c.

Dr. Braithwaite, in continuation of his valuable papers on "Bog Mosses" in the "Monthly Microscopical Journal," has detailed the varieties of *Sphagnum laricinum* as follows:—

Var. β **teretiusculum.** Lindb.

Branches crowded, terete, usually incurved or more or less circinate. Stem leaves large, oblong, obtuse, the apex somewhat fringed or toothed. Branch leaves short, very broad, concave.

Marshy places in woods.

Sweden, Lapland, Finland, Dovrefjeld Mountains Norway, New Jersey.

Var. γ **platyphyllum.** Lindb.

Branches short, rather obtuse, with imbricated leaves. Stem leaves lingulate, with distinct auricles composed of projecting hyaline cells. Branch leaves rounded-ovate, pointed, very broad and concave.

Marshy places in woods in subalpine districts.

Sweden, Lapland, Finland, Norway, Estland, North Wales, New Jersey.

Var. δ **cyclophyllum.** Lindb. (*Sph. obtusifolium* var. β *turgidum.* Hook & Wils.)

Stems short, turgid, 1-3in. long, quite simple or with one or more short solitary branches. Stem leaves very large, orbicular, deeply concave and cucullate, pale greenish white.